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CLAIMS

- 1) A luminescent organic material for lightemitting devices, characterized by comprising at least one thienyl-S,S-dioxide unit.
- 2) A luminescent organic material as claimed in Claim 1, characterized by comprising at least one thiophene ring in the α position of the ring of said thienyl-S,S-dioxide.
- 3) A luminescent organic material as claimed in Claim 2, characterized by having at least one alkyl or aryl substituent in the β position of the ring of said thienyl-5,S-dioxide.
- 4) A luminescent organic material as claimed in Claim 3, characterized in that said alkyl substituents are of such a form as to prevent π - π stacking and the formation of planar or partly planar structures.
- 5) A luminescent organic material for lightemitting devices, characterized by comprising at least one substance selected from the group consisting of :

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wherein Me = methyl; Hex = n-hexyl; Np = neo-pentyl; Ph = phenyl; Ph-Ph = p-biphenyl

- 6) Use of a luminescent material as claimed in 20 Claim 1 in contacts.
 - 7) Use of a luminescent material as claimed in Claim 1 in organic LEDs.
 - 8) A light-emitting diode comprising a luminescent material, characterized in that said luminescent material comprises at least a thienyl-5, S-dioxide.